

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-27. (Canceled)

28. (Previously Presented) A medical device comprising:

a first wire;

a second wire;

a catheter, the catheter defining at least one wire lumen for passage of the first wire therethrough, and the second wire therethrough, the catheter having a proximal end region and a distal end region, the proximal end region comprising a manifold,

the manifold defining at least one port, the at least one port being in communication with the at least one wire lumen;

a wire station system, the wire station system comprising a base platform and a manifold engagement mechanism, the manifold engagement mechanism constructed and arranged to removably engage the base platform to an engagement region of the manifold, the base platform having a wire management system,

the wire management system being actuatable between a first and a second position, in the first position each wire being moveable along a longitudinal axis, in the second position at least one of the wires being fixedly engaged to the wire management system.

29. (Previously Presented) The medical device of claim 28 wherein the catheter is a bifurcated catheter.

30. (Previously Presented) The medical device of claim 28 wherein the catheter defines a first wire lumen and a second wire lumen separate from the first wire lumen.

31. (Previously Presented) The medical device of claim 30 wherein the manifold comprises a plurality of ports, at least one of the ports being in communication with the first wire lumen and the second wire lumen.

32. (Previously Presented) The medical device of claim 28 wherein the wire management system comprises a first wire securement mechanism and a second wire securement mechanism, each securement mechanism being independently actuatable between the first position and the second position.

33. (Previously Presented) The medical device of claim 32 wherein each securement mechanism is a clothespin-type securement mechanism.

34. (Canceled)

35. (Previously Presented) The medical device of claim 32 wherein each securement mechanism is a cullet-type securement mechanism.

36. (Previously Presented) The medical device of claim 32 wherein each securement mechanism is a magnetic wire securement mechanism.

37. (Previously Presented) The medical device of claim 32 wherein each securement mechanism is a cam-type wire securement mechanism.

38. (Previously Presented) The medical device of claim 32 wherein each securement mechanism is a partial slit wire securement mechanism.

39. (Previously Presented) The medical device of claim 28 wherein at least one of the first wire and second wire is a guidewire.

40. (Previously Presented) A medical device comprising:
a catheter, the catheter defining at least one wire lumen for passage of a first wire therethrough, and a second wire therethrough, the catheter having a proximal end region and a distal end region, the proximal end region comprising a manifold, the manifold defining at least one port, the at least one port being in communication with the at least one wire lumen;
a wire station system, the wire station system comprising a base platform and a manifold engagement mechanism, the manifold engagement mechanism constructed and arranged to removably engage the base platform to an engagement region of the manifold, the base platform having a wire management system configured to engage and selectively fix the first wire and the second wire relative to the base platform, wherein the wire management system is actuatable between a first and a second position, in the first position each wire being moveable relative to the base platform and, in the second position, each wire being fixed relative to the base platform.

41. (Previously Presented) The medical device of claim 40 wherein the catheter is a bifurcated catheter.

42. (Previously Presented) The medical device of claim 40 wherein the wire management system comprises a first wire securement mechanism and a second wire securement mechanism, each securement mechanism being independently actuatable between the first position and the second position.

43. (Previously Presented) The medical device of claim 42 wherein each securement mechanism is a clothespin-type securement mechanism.

44. (Previously Presented) The medical device of claim 42 wherein each securement mechanism is a cullet-type securement mechanism.

45. (Previously Presented) The medical device of claim 42 wherein each securement mechanism is a magnetic wire securement mechanism.

46. (Previously Presented) The medical device of claim 42 wherein each securement mechanism is a cam-type wire securement mechanism.

47. (Previously Presented) The medical device of claim 42 wherein each securement mechanism is a partial slit wire securement mechanism.

48. (Previously Presented) The medical device of claim 40 wherein at least one of the first wire and second wire is a guidewire.